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UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
SAN FRANCISCO DIVISION

GOOGLE LLC,

Plaintiff and Counter-defendant,

v.

SONOS, INC.,

Defendant and Counter-claimant.

Case No. 3:20-cv-06754-WHA
Related to Case No. 3:21-cv-07559-WHA

**SONOS, INC.'S REPLY IN SUPPORT OF
MOTION TO STRIKE PORTIONS OF
GOOGLE'S EXPERT INVALIDITY AND
NONINFRINGEMENT REPORTS**

Date: March 9, 2023
Time: 8:00 a.m.
Place: Courtroom 12, 19th Floor
Judge: Hon. William Alsup

Complaint Filed: September 28, 2020

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MEMORANDUM OF POINTS AND AUTHORITIES

I. INTRODUCTION

Expert discovery should be a forum for the parties to marshal their previously disclosed theories and evidence to help narrow and focus the issues before trial. Instead, Google treated expert discovery as “last call” for any new ideas it might have, disclosing a range of invalidity, noninfringement, and alleged noninfringing alternative theories that it had never disclosed, in violation of the Patent Local Rules and Google’s obligations to respond to Sonos’s discovery requests. Caught with no valid defense, Google adopts the strategy of a strong *offense*, arguing that its flouting of discovery obligations was actually Sonos’s fault—either because Sonos committed similar sins, or because Sonos didn’t police Google’s own violations aggressively enough. Neither argument holds water, and neither argument is even relevant. As explained below, Google identifies no nexus between its inaccurate complaints regarding Sonos’s conduct and Google’s uncontroverted failures to disclose the theories on which it now relies. As explained below, in most cases Google does not even *contest* that it did not disclose the new theories on which it now relies. Instead, Google asks the Court to rule that Sonos should have divined Google’s intent. Google offers no support for that premise—textual, contextual, legal, or otherwise—and the Court should grant Sonos’s motion to strike.

II. ARGUMENT

A. Google Improperly Introduced New Invalidity Theories Via Expert Report.

1. Google Admits That It Never Disclosed The “Magic Playlist” Feature

To win on *both* non-infringement and invalidity of the ’615 Patent in the Showdown, Google argued that a system can only have a “local playback queue” or a “remote playback queue” (or “cloud queue”) but it cannot have both. *See, e.g.*, Dkt. 211, 1 (“[B]y 2013 Google began to transition its applications to a ‘cloud queue.’ ***Prior to this transition***, however, ***Google’s prior art products used a conventional ‘local playback queue.’***” (emphasis added)); Dkt. 316, 10 (“Sonos objects that multiple playback queues can exist simultaneously.”). In other words, Google argued that the existence of a local playback queue in a system is mutually exclusive of a remote playback queue and *vice versa*. Dkt. 211, 8; 7/13/22 Hr’g Tr., 59-60. In line with Google’s argument, Dr.

1 Bhattacharjee opined in his Showdown reports that the Tungsten/Nexus Q system involved a “local
2 playback queue” to the exclusion of a “remote playback queue.” *See, e.g.*, Ex. Y, ¶ 387; *see also*
3 *id.*, ¶¶114, 297. The Court sided with Google, accepting its argument. Dkt. 316, 4, 9-10.

4 *After* Google secured summary judgment, Dr. Bhattacharjee argued for the first time in
5 expert discovery that “Tungsten/Nexus Q was *also* able to playback playlists that were generated
6 and stored in the cloud” based on a never-before-disclosed feature called the “Magic Playlist.” *See*
7 Ex. A¹ ¶¶ 218-20 (emphasis added); Mot. 6-7. Google does not contest that it never previously
8 disclosed the “Magic Playlist” feature in its invalidity contentions. Instead, Google contends it
9 need not have disclosed this *basis* for its invalidity claim because “[a] ‘Magic Playlist’ is simply
10 the name” of one such “cloud-hosted playlist in the Tungsten/NexusQ.” Opp. 5. But Google is
11 rewriting its contentions in a way that directly contradicts the arguments Google advanced to win
12 summary judgment on the ’615 Patent. *See, e.g.*, Dkt. 211, 1. Google’s contentions do not disclose
13 any “playlist[] that w[as] generated and stored in the cloud”—“Magic Playlist” or otherwise.
14 Because Google never disclosed the feature it now relies entirely upon for one key argument—*see*,
15 *e.g.*, Ex. A ¶¶ 218-20, 228, 236, 264, 498-99, 509, 514-15, 524, 533, 545; Ex. C ¶¶ 45, 120, 123-
16 24, 126, 128, 130, 132, 138—that should end the matter. Google’s arguments to the contrary fall
17 flat. For example, Google argues that this “theory ... is clearly articulated” because “Google
18 disclosed that the Tungsten/NexusQ system ‘anticipate[s]’ the asserted claims ‘of the ’033 patent
19 under at least the interpretation that [Sonos] appears to rely upon for its infringement theories.’”
20 Opp. 5. But that argument disclosed neither the “Magic Playlist” feature, nor a “playlist[] that
21 w[as] generated and stored in the cloud.”

22 Similarly, Google argues that because its claim charts “explain that the Tungsten/NexusQ
23 system allowed users to ‘pull the music directly from the music library in the cloud,’” the “Magic
24 Playlist” feature was disclosed in all but name. *Id.* But simply citing to “users” being able to “pull
25 the music directly from the music library in the cloud” is not the same as a “playlist[] that w[as]
26 generated and stored in the cloud.” For example, pulling a single media file from a music library
27

28 ¹ Exhibits A-X were filed with Sonos’s opening brief; Exhibits Y-AA are filed with this brief.

1 in the cloud would not require a “playlist” at all, much less one “generated” by a cloud server. Nor
 2 does a screenshot of a user selecting a podcast episode and selecting to make it “available offline”
 3 provide notice of a “playlist[] generated and stored” by cloud servers. *Cf.* Opp. 5.

4 Had Google disclosed this theory in its contentions, Sonos could have rebutted Google’s
 5 representations to the Court that the existence of a “local playback queue” in a system is mutually
 6 exclusive of a “remote playback queue,” which Google used to secure summary judgment. Or, had
 7 Google even attempted to amend its contentions once it decided to rely upon this new theory, Sonos
 8 would have had an opportunity to challenge Google’s good cause for amending so late. Because
 9 Google failed to do either, Sonos now faces defending against Google’s invalidity claims at trial
 10 on the basis of an apparently key feature that was never properly disclosed *at all*.

11 Because Google’s discussion of *MediaTek* and *Largan* is premised on Google’s
 12 unsupported—and incorrect—argument that it disclosed the “playlist[] that w[as] generated and
 13 stored in the cloud,” Google’s reading of those cases sheds little light. Google’s “invalidity
 14 contentions did not contain ‘this theory, nor anything like it.’” Opp. 8 (quoting *Largan* motion).
 15 And as in *MediaTek*, Google’s experts should be barred from raising invalidity arguments and prior
 16 art that were not previously disclosed in its contentions, even if such arguments are based on the
 17 same reference(s) that Google identified in its contentions. *MediaTek Inc. v. Freescale*
 18 *Semiconductor, Inc.*, 2014 WL 690161, at *1-2 (N.D. Cal. Feb. 21, 2014)). The Court should strike
 19 references to the “Magic Playlist” from Dr. Bhattacharjee’s reports. Mot. 8.

20 2. Google Cannot Identify Any Proper Disclosure Of Its New YouTube 21 Remote Anticipation Theory

22 In his reply report, Dr. Bhattacharjee contended for the first time that the alleged prior art
 23 YouTube Remote System allowed for automatic playback of a “remote playback queue,” as
 24 required by Limitation 1.4 of the ’033 patent, which he distinguished from the *manually-driven*
 25 playback that Sonos’s expert had argued did not evince existence of a “remote playback queue,”
 26 but rather a “local playback queue.” Ex. C ¶¶ 79-81. Relying on an image that had been previously
 27 disclosed for different purposes, Dr. Bhattacharjee argued for the first time that this image “shows
 28 the YouTube Remote prior art playing back a list of videos provided by the YouTube cloud servers

1 in the ‘Search’ workspace—in other words, without using the ‘+’ icon to add the videos to the
 2 user’s queue.” Mot. 7-8.² Google does not appear to contest that it never before articulated this
 3 theory in this manner. Instead, Google argues that its “contentions disclosed” this theory based on
 4 the bare, unannotated image itself. Opp. 5-6. Google’s explanation makes little sense. Google’s
 5 contentions cite this image for a number of propositions, *see* Ex. L. 4-5, none of which say anything
 6 about automatic playback of a “remote playback queue.” And a screenshot showing *one* video
 7 being played back from a “recommended” tab is not the same as the new theory regarding automatic
 8 play of *all* recommended videos. The very passage from the website that Google cites to that
 9 apparently is the source of that screenshot notes that the *user* has to “add more videos to the queue.”
 10 Mot. 7; Ex. L 5-6. Dr. Bhattacharjee’s reply report thus focuses on new functionality not disclosed
 11 in Google’s contentions; neither this screenshot nor any other put Sonos on notice of this particular
 12 feature.

13 Next, Google argues that its contentions didn’t *rule out* this theory. *See* Opp. 6. The Patent
 14 Local Rules require more than that. *See* P.L.R. 3-3(a)-(c); 3-6(b)-(c). Google also suggests that it
 15 disclosed this theory because a *different* image in “Google’s invalidity contentions ... shows a YTR
 16 application playing back a video ... from the ‘Recommended’ tab.” Opp. 6. Once again, the
 17 surrounding text of Google’s contentions make no mention of Google’s late-breaking interpretation
 18 of these images on which it has relied up to this point for entirely different propositions. *Cf.* Ex. L.
 19 6-7. Similarly, Google’s argument regarding Dr. Schmidt’s “technically inaccurate opinions,”
 20 Opp. 6-7, proves too much—Dr. Schmidt’s *rebuttal* report responded only to Google’s *original*
 21 theory, which is why he could not anticipate Dr. Bhattacharjee’s novel theory on reply. The Court
 22 should strike paragraphs 79-81 of Dr. Bhattacharjee’s reply report.

23 3. Google Admits That Its Contentions Do Not Directly Disclose The New 24 Alleged Bose Prior Art Products

25 ² Google appears to have misread Sonos’s motion, purporting to correct Sonos that “the image
 26 from Dr. Bhattacharjee’s report that Sonos takes issue within its Motion ... is in Google’s
 27 invalidity contentions.” Opp. 6 (citations omitted). But Sonos cited to the original, *unannotated*
 28 image in Google’s invalidity contentions. *See* Mot. 7-9 (citing Ex. L 5-6). As Sonos explained,
 “Dr. Bhattacharjee newly annotated that image in his reply report,” disclosing his theory
 regarding what the image shows for the first time. *See id.* (citing Ex. C ¶ 79).

1 Dr. Schonfeld relied for the first time in his expert reports on three Bose products that
 2 Google never disclosed in its invalidity contentions—the “Bose Link communication protocol” and
 3 the “Lifestyle SA-2 and SA-3 Stereo Amplifiers.” Mot. 9-11. Sonos challenges Google’s failure
 4 to disclose these products “*in Google’s invalidity contentions.*” Mot. 9 (emphasis added). But
 5 Google characterizes Sonos’s objection as “complain[ing] that certain Bose products were not
 6 adequately disclosed *during discovery.*” Opp. 8 (citing, but not quoting, Mot. 9 (emphasis added)).
 7 With that re-characterization, Google then argues that Sonos’s claim is “incorrect” because Dr.
 8 Schonfeld disclosed these products in *earlier*, showdown expert reports. Opp. 8. But as Google
 9 effectively concedes, Google has never disclosed these three products in its invalidity contentions.
 10 That failure is inherently prejudicial to Sonos.

11 Google also argues that these “theories merely expanded on the theories disclosed in
 12 Google’s contentions” because the “contentions cited to documents showing that the Lifestyle 50
 13 system may be ‘*connected via an SA-1 indoor amplifier,*’” which Google asserts is “the direct
 14 predecessor amplifier product to the SA-2 and SA-3 amplifier products.” Opp. 8-9. Google’s
 15 argument is revealing for two reasons. First, Google does not even *claim* that it disclosed the “Bose
 16 Link communication protocol” in this manner. So the Court should *at least* strike all references to
 17 that product. Second, the citation on which Google relies is apparently the best example that
 18 Google was able to find of its contentions disclosing the “Lifestyle SA-2 and SA-3 Stereo
 19 Amplifiers.” But the citation does not even disclose the SA-2 or SA-3, but instead what Google
 20 characterizes as the *predecessor* to the SA-2—the SA-1. Even this claim is tenuous. In the 148
 21 page ’885 Bose claim chart and 118 page ’996 Bose claim chart, the only “disclosure” of even the
 22 *SA-1* is in a user review on one third-party website cited only once on the first page of the claim
 23 charts.

24 Having been caught inserting new prior art into expert reports that was never disclosed in
 25 invalidity contentions, Google faults *Sonos* for amending its infringement contentions too many
 26 times. *See* Opp. 9. Google neglects to mention that each of Sonos’s amendments was either
 27 stipulated to by Google, or granted over Google’s objection for good cause shown. That record
 28 shows that Sonos’s amendments were *proper*. Google’s focus on Sonos’s amendments is also a

1 red herring—Google does not identify any actual connection between its failure to amend its
 2 invalidity contentions and Sonos’s history of properly amending its infringement contentions.
 3 That’s because there is none. None of Sonos’s amendments changed Sonos’s theories in ways that
 4 could explain why Google failed to disclose these products.

5 Google ends by mischaracterizing Sonos’s motion. Sonos explained that one reason
 6 Google’s contentions failed to disclose these three products is that “Dr. Schonfeld’s primary
 7 reference—the Bose Lifestyle 50 System—does not include those products.” Mot. 9. Google
 8 paints this as a “substantive argument” that seeks to litigate whether “a [POSITA] would have
 9 combined these references.” Opp. 10. But Sonos’s motion says nothing about combining
 10 references. *Cf.* Mot. 9-11. Rather, as Sonos explained, there is no apparent connection between
 11 the Bose *products* on which Dr. Schonfeld now relies, and the primary reference *system*—which
 12 was disclosed in Google’s contentions. *See id.* at 9-10. So Google’s disclosure of the *system* in its
 13 contentions did not give Sonos proper notice of Google’s plan to rely on *separate* products. The
 14 Court should strike these sections, Mot. 10, of Dr. Schonfeld’s opening and reply reports.³

15 **B. Google’s Experts Improperly Introduced New Noninfringement Theories.**

16 Google was obligated to inform Sonos of Google’s noninfringement positions prior to the
 17 close of fact discovery in its responses to Sonos’s contention interrogatories. Mot. 11 (citing *Asia*
 18 *Vital Components Co. v. Asetek Danmark A/S*, 377 F. Supp. 3d 990, 1003 (N.D. Cal. 2019);
 19 *Apple, Inc. v. Samsung Elecs. Co.*, 2012 WL 3155574, at *5 (N.D. Cal. Aug. 2, 2012)). For that
 20 reason, Google’s disclosure of new noninfringement theories in its expert reports is not proper
 21 supplementation under Rule 26(e)(1), and the newly disclosed noninfringement theories should
 22 be stricken. *Id.*; *see also MLC Intell. Prop., LLC v. Micron Tech., Inc.*, 2018 WL 6046465, at *2
 23 (N.D. Cal. Nov. 19, 2018). Google has two overarching responses. **First**, Google argues that
 24 Sonos never took issue with Google’s interrogatory responses. That makes little sense. If
 25 Google’s response says “ABC” and Google’s expert says “D”, Sonos could hardly have predicted
 26

27 ³ Google does not dispute that unless the Court on reconsideration reverses its grant of summary
 28 judgment of validity of the ’885 Patent, *see* Dkt. 382, the Court should also strike Dr. Schonfeld’s
 over 400 pages of report concerning “invalidity of the ’885 Patent.” *See* Mot. 11 n.6.

1 that the “ABC” response was deficient until seeing that the expert is saying something new. That
 2 is exactly what happened here. Mot. 11-14. **Second**, Google tries to change the subject, arguing
 3 that the level of disclosure in its responses was more fulsome than what *Sonos* provided. But the
 4 sufficiency of Sonos’s responses is not at issue in this motion, and if Google believed there was
 5 any deficiency, Google could have moved to compel. Moreover, Sonos does not challenge the
 6 level of detail of the disclosure in some abstract, platonic sense. Sonos’s complaint is simple:
 7 Google’s experts went far beyond the disclosures. These new theories should be stricken.

8 **1. Dr. Bhattacharjee’s Previously Undisclosed Noninfringement Theories**
 9 **Must Be Stricken.**

10 Dr. Bhattacharjee’s rebuttal report improperly introduces *five* noninfringement theories that
 11 were never disclosed during fact discovery. Mot. 11-13. Sonos addresses Google’s response to
 12 each. First, Dr. Bhattacharjee *now* contends that limitation 1.7 of the ’033 Patent is not infringed
 13 because the setPlaylist message sent by the Sender to the MDx server is not identical to the
 14 setPlaylist message sent by the MDx server to the Receiver. See Ex. B ¶¶ 82-86, 213-15, 245-46;
 15 Mot. 11-12. During discovery, Sonos asked Google for its noninfringement theories and the bases
 16 therefor. But Google’s responses—even those served on November 29, 2022—never disclosed this
 17 theory. See generally Ex. J; Mot. 11-12. Google argues that it disclosed this noninfringement
 18 theory in two responses. Opp. 13-14. But while Google discussed the message, Google never
 19 pointed to its new theory as a basis for non-infringement of limitation 1.7.

20 Second, Dr. Bhattacharjee now contends that limitation 1.7 is not infringed because a
 21 videoID is not used by a Receiver to retrieve a media item in the “remote playback queue” because
 22 (a) Bandid URLs are used to retrieve rather than a videoId and (b) a Receiver obtains only chunks
 23 of a media item at a time rather than a whole media item. See Ex. B ¶¶ 106-08, 222-25, 296-97;
 24 Mot. 12. Once again, Google’s responses never disclosed these theories. Mot. 12. Google argues
 25 that it disclosed this noninfringement theory in its response to Sonos’s Interrogatory No. 12. Opp.
 26 14. But the part of the response that Google cites to makes no mention of these theories. For
 27 example, there is no discussion of the videoID at all. Cf. Ex. J at 48. And more generally, Google
 28 never previously argued that the accused “data identifying a next one or more media items” (i.e., a

videoId) is not subsequently “use[d]” by the playback device “to retrieve at least one media item.” Cf. Ex. J. Next, Google argues that Dr. Bhattacharjee’s description of this theory at ¶¶ 222-225 of his rebuttal report was disclosed in a separate response. Opp. 14-15. But disclosing a technical explanation of how a videoId results in retrieval of a media item is not the same as arguing that a videoId is not “use[d]” by the playback device “to retrieve” a media item. Google’s related arguments, Opp. 15, also fail. These citations, at most, establish that Sonos is not unaware that a videoId is not the only thing used to retrieve the media item. But the parties have never disputed that issue. What is new here is Google now saying that despite a videoId being a but-for cause of the playback device retrieving the media item, a videoId is apparently not “use[d] ... to retrieve” the media item. Google does not point to any timely disclosure of that theory.⁴

Third, Dr. Bhattacharjee contends for the first time that limitations 1.4 and 1.7 of the ’033 Patent are not infringed because (1) Google’s “Shared Queue is created only *after* a Cast session is initiated,” and that “[b]ecause Limitation 1.4 is directed to playback when not Casting, it cannot involve playback of the Shared Queue,” Ex. B ¶¶ 162-63, 202-203; Mot. 12, and (2) the “remote playback queue” of limitations 1.4 and 1.7 must be identical before and after Casting, or there is no infringement, Ex. B ¶¶ 199, 203-210; Mot. 12. Once again, Google’s responses never disclosed these theories. See, e.g., Ex. J at 30-31; Mot. 12.⁵ Google argues that the first theory (1) is not new, but its lead support for this argument is Google’s Interrogatory No. 12. Opp. 16. Asking a question is not the same thing as disclosing an answer, and nothing in the question discloses Dr. Bhattacharjee’s new theory. Next, Google points to its response to Sonos’s Interrogatory No. 15. Opp. 16. But Google only incorporated that response into its *noninfringement* response on the day before the close of fact discovery, Ex. J. at 60, 64, which is not sufficient. See *Finjan, Inc. v.*

⁴ Google also contends that “paragraphs 296-297 of Dr. Bhattacharjee’s rebuttal report” “relate to one of Google’s [NIAs]: [REDACTED],” and that its response to Sonos’s Interrogatory No. 12 need not have disclosed this alleged NIA. But Google’s response to Sonos’s Interrogatory No. 18 *also* does not disclose Google’s theory that there is a *single request* that results in obtaining all media and metadata for all items in a playlist—Dr. Bhattacharjee’s new reply theory regarding what the redesign does—and Google did not properly disclose this theory as an NIA either. *Infra* 12-13.

⁵ To the extent that the Court does not strike this, and Google’s other undisclosed theories, Sonos intends to move to amend its infringement contentions to set forth DOE positions. Mot. 12 n.7.

1 *Symantec Corp.*, 2017 WL 4025219, at *2 (N.D. Cal. Sept. 13, 2017); *Bal Seal Eng'g, Inc. v. Nelson*
 2 *Prods., Inc.*, 2018 WL 6258877, at *2-3 (C.D. Cal. Feb. 12, 2018). Google further argues that “Dr.
 3 Bhattacharjee’s interpretation of the claim language” regarding “remote playback queue” (2) is “not
 4 a new opinion” but “a well-settled aspect of interpreting claim language.” Opp. 16. But if this
 5 interpretation were as obvious as Google suggests, there is no reason Google could not have
 6 disclosed this theory during fact discovery. But *even assuming* that Google’s opinion stems from
 7 a “well-settled aspect of interpreting claim language,” and *even if* Google were excused on that
 8 basis for not disclosing a non-infringement position based on “the remote playback queue” in
 9 limitation 1.7, Dr. Bhattacharjee advanced two new non-infringement theories premised on never-
 10 before-identified requirements of the claimed “remote playback queue”: (1) that the contents of
 11 “remote playback queue” cannot change and (2) the location of the “remote playback queue” within
 12 the “cloud-based computing system” must be fixed. Ex. B ¶¶ 204-209. At a minimum, those parts
 13 of Dr. Bhattacharjee’s new theories should be stricken.⁶

14 Fourth, Dr. Bhattacharjee contends for the first time that a Google Hub device is not a
 15 “computing device” as claimed by claim 1 of the ’033 Patent. See Ex. B ¶¶ 187, 189-93, 228, 235;
 16 Mot. 12. Once again, Google’s responses never disclosed this theory. See Ex. J; Mot. 12. And
 17 once again, Google blames Sonos. Opp. 17-18. Google’s blame-shifting is without foundation.
 18 See Dkt. 487. In any event, Google cannot credibly blame Sonos for Google’s failure to previously
 19 disclose its theory that a Google Hub device is not a “computing device.” A device either amounts
 20 to a claimed “computing device” or it does not, and Google is more than capable of making such a
 21 technical assessment of its own products without any guidance from Sonos. Moreover, there is no
 22 nexus between Sonos’s disclosures and Google’s untimely theory—how active playback begins at
 23 a device does not change whether the device is a claimed “computing device” or not.

24 Fifth, Dr. Bhattacharjee contends for the first time that a Hub device running YT Main app
 25 does not satisfy limitations 1.5-1.6 of the ’033 Patent because it pauses playback when the Cast

27 ⁶ Google’s suggestion that Sonos’s “identification of the alleged ‘remote playback queue’ has
 28 been a moving target” is baseless, for the reasons explained in Sonos’s opposition to Google’s
 motion to strike. See Dkt. 487 at 8-13.

1 icon is selected. See Ex. B ¶¶ 95, 195-96, 239-41⁷; Mot. 12. Once again, Google’s responses never
 2 disclosed this theory. See Ex. J; Mot. 12. Here too, Google pivots to blaming Sonos, arguing that
 3 “Sonos’s theories with respect to these elements were not sufficiently disclosed in Sonos’s
 4 infringement contentions” and that “[n]ot until Sonos’s opening expert report did Sonos disclose
 5 its theory on what the term ‘configured’ means in the context of the ’033 claims.” Opp. 18. But in
 6 its *own* motion to strike, Google admits that Sonos put Google on notice of beginning playback at
 7 the Hub via user inputs at the Hub. Dkt. 469 at 10. Moreover, Limitation 1.5 is agnostic as to how
 8 active playback is triggered—that limitation does not require active playback at all. Finally, Google
 9 cannot dispute that YT Main causing the Hub to temporarily pause when the user attempts to do a
 10 stream transfer is the same whether the Hub started active playback via user inputs at the Hub’s
 11 touchscreen or via some other means. Once again, Google cannot justify its new theories now
 12 based on purported deficiencies in Sonos’s contentions to which Google never objected. The Court
 13 should strike these paragraphs, Mot. 13, from Dr. Bhattacharjee’s rebuttal report.

14 2. **Google Does Not Dispute That It Never Substantively Disclosed Dr.**
 15 **Schonfeld’s New Noninfringement Theories**

16 In his rebuttal report, Dr. Schonfeld argued for the first time that the Accused Controllers
 17 do not infringe asserted independent claims 1 and 9 of the ’966 patent because they do not “cause
 18 storage” of zone scenes. See Ex. E ¶¶ 116-118; Mot. 13-14. Google did not disclose this theory
 19 even in its supplemental interrogatory responses sent in the final hours of fact discovery, which
 20 discuss “caus[ing] storage” but only with respect to dependent claim 3. *Id.* Google does not dispute
 21 that these supplemental responses were limited to claim 3, but contends that it nonetheless disclosed
 22 this theory with respect to the independent claims in its *initial* response. Opp. 19. That boilerplate
 23 response identified dozens of claim limitations without any indication of the basis for Google’s
 24 noninfringement position, or any indication of what was missing from those elements. Mot. 13.
 25 Google does not substantively dispute any of this. Instead, Google contends (1) that “responses to
 26 non-infringement contention interrogatories” do not “require[] more detail,” and (2) that Sonos is

27 _____
 28 ⁷ Google made the same new argument with respect to limitations 1.8-1.9 as it did with respect to
 limitations 1.5-1.6.

1 guilty of the same sins. Both arguments fail.

2 Google does not contest that Sonos's contention interrogatory seeking noninfringement
3 theories specifically asked Google to "set forth ... the complete legal and factual basis for any
4 assertion by Google that the Accused Instrumentalities have not infringed each such claim" on a
5 claim-by-claim and element-by-element basis. Mot. 14. *Cf.* Opp. 19-20. And Google does not
6 point to *any* answer to this question in its interrogatory responses with respect to its new "caus[ing]
7 storage" theory under the independent claims of the '966 patent. So this is not a dispute about the
8 proper level of detail. The question is whether Google is permitted to decline to respond entirely
9 with respect to a particular theory, only to spring the theory in expert discovery. It is not.

10 Nor does Google contest that Rule 37(c)(1) provides that a party's failure to supplement
11 answers to interrogatories in a timely fashion is grounds for exclusion of the undisclosed
12 information. *See Woods v. DeAngelo Marine Exhaust, Inc.*, 692 F.3d 1272, 1279 (Fed. Cir. 2012).
13 Instead, Google seeks to leverage *its own* discovery failures to turn the blame on Sonos. *See, e.g.*,
14 Opp. 19 ("Sonos never moved to compel more detail."). Google argues, in other words, that
15 because Sonos did not move to compel a response regarding a theory that Google never
16 substantively disclosed it was pursuing, Sonos cannot take issue with Google disclosing the theory
17 substantively for the first time in expert discovery. This argument flips the parties' responsibilities
18 on their heads. If Google intended to pursue this theory, it had an obligation to respond fully to the
19 interrogatory; Google cannot spring new facts and theories *now*. A motion to compel is not a
20 prerequisite to Google complying with its discovery obligations—and any such motion would have
21 been challenged as speculative, had Sonos moved to compel, e.g., "any undisclosed responses that
22 Google intends to rely upon in expert discovery."⁸

23 Accordingly, Sonos had no notice that Google actually intended to pursue a
24 noninfringement theory regarding "causing storage" generally. And when Google finally did
25

26
27 ⁸ Google's argument also ignores that Sonos *did* tell Google that Google's responses were
28 deficient. *See* Ex. AA (email). As a result, Google supplemented and provided additional detail
regarding numerous claim limitations, but did *not* mention anything about the "caus[ing] storage"
theory that Google now advances. *See* Ex. J at 21-59.

1 supplement regarding “causing storage,”—in the final days of discovery, Ex. J at 59-65, that
2 supplementation was limited to *dependent* claim 3, as Google admits.

3 Google also complains that “Sonos’s motion is completely devoid of any specificity as to
4 the ‘discovery’ Sonos would have propounded.” Opp. 20. But the discovery that Sonos would
5 have sought is self-explanatory—Sonos would have sought “discovery on the alleged factual bases
6 for this new position.” Mot. 14. For example, had Google disclosed *any* basis for this position in
7 a supplemental interrogatory response, Sonos could have probed the accuracy of that alleged factual
8 basis when deposing Google’s engineers, as Sonos did—extensively—with respect to Google’s
9 *properly* disclosed noninfringement theories. Nor does Google’s argument that Sonos committed
10 the same sin hold any water—Google did not even move to compel supplemental responses.
11 Because Google does not contest that its only “disclosure” of this theory came in an incomplete
12 initial interrogatory response, which it gave all appearances of having abandoned until expert
13 discovery, the Court should strike paragraphs 116-118 of Dr. Schonfeld’s rebuttal report.

14 C. **Google Improperly Introduced New Noninfringing Alternatives Via Expert**
15 **Report.**

16 Google was obligated to inform Sonos of Google’s noninfringing alternatives (NIAs) prior
17 to the close of fact discovery in its responses to Sonos’s interrogatory requesting that information
18 and under Patent L.R. 3-9. Google’s disclosure of new NIAs in its expert reports does not
19 constitute proper supplementation under Rule 26(e)(1) or the Patent Local Rules, and, under Rule
20 37(c)(1), the portions of Google’s expert reports containing those newly disclosed noninfringing
21 alternative theories must be stricken. *See Apple*, 2012 WL 3155574, at *5; *Droplets, Inc. v.*
22 *Yahoo! Inc.*, 2021 WL 9038509, at *9 (N.D. Cal. Apr. 27, 2021); *Godo Kaisha IP Bridge 1 v.*
23 *Broadcom Ltd.*, 2017 WL 2869344, at *2-3 (E.D. Tex. April 19, 2017).

24 1. **Dr. Bhattacharjee’s Reliance On Previously Undisclosed NIAs.**

25 In his rebuttal report, Dr. Bhattacharjee contended that an NIA for the ’033 patent existed
26 at the time of infringement, consisting of the “receiver device *not* [] send[ing] the accused
27 getWatchNext and/or getPlayer requests,” with the “receiver device” instead [REDACTED]

28 [REDACTED] *See* Ex. B ¶¶ 288-89, 295-98; Mot. 15. But Dr. Bhattacharjee’s articulation of

1 this alleged NIA differs significantly from his patent showdown report, which Google’s
 2 interrogatory response incorporated by reference. *See* Mot. 15. Google contends now that despite
 3 its response incorporating Dr. Bhattacharjee’s showdown reports, Google only *intended* to
 4 incorporate those reports for *other purposes*, Opp. 21, which Sonos should have divined. In
 5 Google’s telling, that incorporation of the showdown reports cannot override the other statements
 6 Google made in its response. Opp. 21. That argument might have some purchase had Google
 7 actually disclosed the new theory upon which it now relies. But nothing of the sort appears in
 8 Google’s response. Google’s response does *not* say that there is a **single request** that results in
 9 obtaining all media and metadata for all items in a playlist—which is what Dr. Bhattacharjee’s
 10 rebuttal report now argues this redesign does, *see, e.g.*, Ex. B ¶ 298; Mot. 15.

11 Google’s assertion that its interrogatory response explained retrieval for “media items,”
 12 plural, is also inaccurate. Instead, consistent with Dr. Bhattacharjee’s showdown reports, Google’s
 13 response only discusses sending a request for one item at a time. *Cf.* Opp. 20-21 (characterizing
 14 various citations as involving media *items*, but never quoting this phrase). Google also points to
 15 its own document purportedly “describing Google’s implementation of this” alleged NIA, but the
 16 document only discusses using a **“playlist ID”** to “determine the *starting video*.” Opp. 21 (emphasis
 17 added). That quote says nothing about the *subsequent* video, much less all videos in a playlist.

18 Separately, in his rebuttal report, Dr. Bhattacharjee stated that “Alternative #3”—which
 19 corresponds with Google’s NIA #4—would itself contain *three additional* alternatives to
 20 infringement beyond those disclosed in NIA #4: **(i) it would apply to “all of the YouTube**
 21 **applications,” including the YouTube Music, such that “music-only playback of the remote**
 22 **playback queue would be non-infringing (even where the audio was muted),” (ii) “the alterative**
 23 **could be implemented so that all of the YouTube applications default to *pausing* playback of the**
 24 **media (whether audio or video) on the computing device upon transfer,” (iii) “this non-infringing**
 25 **alternative could also be implemented so that the video *and* audio would continue to playback on**
 26 **the mobile device after transferring playback, giving the user the option to continue the playback**
 27 **on the mobile device or pause it at a later time.”** *See* Ex. B ¶ 280 (emphases added); Mot. 15-16.

28 Google did not disclose any of *those* alternatives previously. *Cf.* Ex. A ¶ 764, Ex. I at 14.

1 First, with respect to (i), Google contends that its “response disclosed that this alternative
 2 applied to ‘Google’s accused products’; it was not limited to a particular application.” Opp. 22.
 3 That is inaccurate. Google’s arguments regarding the purported feasibility and/or commercial
 4 acceptability of this alleged alternative were in the context of *video* playback (e.g., “playback can
 5 be continued with only the video alone (and the audio muted)”) and did not account for YouTube
 6 Music’s *music*-only playback. Google Ex. 24 at 14; *see id.* (discussing “YT app” (emphasis
 7 added)). It makes little sense that a redesign to play video while muting audio would naturally
 8 extend to an app where the user can *only* play audio. Google’s alleged NIA clearly did not apply
 9 to all of the accused products in the version of the NIA that was timely disclosed.

10 Second, with respect to (ii), *supra*, Google contends that “Dr. Bhattacharjee is merely
 11 explaining how the [NIA] Google previously disclosed (i.e. that the computing device would
 12 continue to be configured for playback after transferring playback to a playback device) was further
 13 bolstered by Sonos’s expert opinions.” Opp. 22-23. But this assertion is belied by the fact that Dr.
 14 Bhattacharjee expressly opined in his rebuttal report that “[e]ven setting aside Dr. Schmidt’s
 15 interpretation, this [NIA] could also be implemented so that the video and audio would continue to
 16 playback on the mobile device after transferring playback, giving the user the option to continue
 17 the playback on the mobile device or pause it at a later time.” Ex. B ¶ 280.

18 Third, with respect to (iii), *supra*, Google argues that “Google’s interrogatory response
 19 explains that the [NIA] being proposed includes ‘continuing playback at the control device after
 20 playback has been transferred to the playback device.’” Opp. 23. According to Google, when it
 21 “provided an example in which the playback continued with ‘only the video alone (and the audio
 22 muted),’ that was but one example of the disclosed NIA” *Id.* But Google’s argument that its
 23 interrogatory response encompassed *both* video and audio continuing to play back after transfer is
 24 misleading. Google’s NIA was specifically limited to playing video while muting audio after
 25 transfer. Ex. I at 14-15. Dr. Bhattacharjee’s rebuttal report broadened this NIA to apply to playback
 26 video and audio regardless of whether audio is muted or not. Ex. B ¶ 280. The Court should strike
 27 paragraphs 278-86, 288-89, and 295-98 of Dr. Bhattacharjee’s rebuttal report.
 28

1 **2. Google Never Previously Disclosed Dr. Schonfeld’s New Alleged NIA.**

2 In his rebuttal report, Dr. Schonfeld identified a *new* alleged NIA for the ’885 and ’966
3 patents, called “No Identification of Groups as Zone Scenes,” Mot. 17, which Google does not
4 contest that it never previously disclosed, *cf.* Opp. 23-24. Instead, Google argues that Sonos was
5 “on notice of this theory” because it “follows directly from” the Court’s claim construction ruling.
6 Opp. 24. But if that were true, then there is no reason that Google could not have disclosed this
7 alleged NIA shortly after that ruling. Google did not do so. The Court issued that ruling on July
8 21, 2022. Dkt. 309. Dr. Schonfeld issued a “supplemental expert report” on August 29, 2022,
9 purportedly in response to that ruling. *See* Ex. Z at 1. But he made no mention of this alleged NIA.
10 *See e.g., id* at i (Table of Contents). Fact discovery closed on November 30, 2022. Dkt. 67. And
11 Dr. Schonfeld disclosed this alleged NIA for the first time on January 13, 2023 in his *rebuttal*
12 report. Disclosure for the first time in his opening report would be improper too, but it was not
13 disclosed even then. Nor did Google at any point disclose this alleged NIA in its Damages
14 Contentions, Mot. 17, a failure Google does not even attempt to justify. And if Google *did* possess
15 this theory prior to disclosing it, that too would be improper. *See Droplets, Inc.*, 2021 WL 9038509,
16 at *9. Disclosure of a new theory during expert discovery is inherently prejudicial. Either Google
17 invented this theory after fact discovery closed, or Google knew about this theory for the almost
18 *six months* that elapsed between the Showdown ruling and its disclosure. Either way, the Court
19 should strike paragraphs 178-181 of Dr. Schonfeld’s rebuttal report.

20 **III. CONCLUSION**

21 Sonos respectfully requests that the Court strike (1) ¶¶ 218-220, 228, 236, 264, 498-99, 509,
22 514-15, 524, 533, and 545 from Dr. Bhattacharjee’s Opening Report, (2) ¶¶ 82-86, 95, 106-108,
23 162-63, 187, 189-93, 195-96, 199, 202-10, 213-15, 222-25, 228, 235, 239-41, 245-46, and 278-86,
24 288-89, and 295-98 from Dr. Bhattacharjee’s Rebuttal Report, (3) ¶¶ 45, 79-81, 120, 123-24, 126,
25 128, 130, 132, and 138 from Dr. Bhattacharjee’s Reply Report, (4) pages 548, 557, 565, 572-82,
26 585, 593, 595-96, 598, 602, 605-14, 621-29, and 642-44 from Dr. Schonfeld’s Opening Report (or,
27 pages 219-645, *see supra* note 3), (5) ¶¶ 116-18, 178-81 from Dr. Schonfeld’s Rebuttal Report, and
28 (6) ¶¶ 67-68 from Dr. Schonfeld’s Reply Report.

1
2 Dated: February 17, 2023

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